



PRESS RELEASE

Saint-Julien-Mont-Denis – October 16, 2025

Lyon–Turin Base Tunnel: Implenla, NGE and Itinera reach a key milestone with the completion of the first vault of the final lining on the French side.

The Operational Site 8, managed by the Implenla (lead partner), NGE and Itinera consortium, is responsible for the excavation of the first 5,678 meters of the French entrance to the Lyon–Turin Base Tunnel, under the management of TELT, with a total contract value of €228 million.

After three years dedicated to excavating the tunnel's two main tubes, the Implenla (lead partner), NGE and Itinera consortium announces the start of a new phase of the project: the construction of the permanent concrete lining. A specialized team has been mobilized behind the excavation face to carry out this operation. By the end of September 2025, 76% of the tunnel entrance excavation will be completed — that is, over 4,300 meters already excavated out of a total of 6,105 meters, including connection galleries. This section is notable for the exclusive use of the traditional excavation method, without the use of a tunnel boring machine — a remarkable feature across the entire cross-border route.

The permanent lining of the tunnel: a multi-phase process

The installation of the tunnel's permanent lining is carried out in **successive stages**, following a precise sequence:

- **Support preparation:** finishing of the surface for vault installation, excavation of the invert, reconditioning and leveling of the support.
- **Invert construction:** installation of waterproofing and rebar, followed by concreting.
- **Installation of drainage networks:** laying of networks and manholes, backfilling, and redirection of tunnel utilities.
- **Vault construction:** installation of waterproofing using an automated installation gantry, placement of reticulated ribs and reinforcement in curved areas and intersections, and concreting.

Custom-made equipment designed for health and safety

To optimize each construction phase while ensuring a high level of safety for all operators, two **custom-designed pieces of equipment** were developed in partnership with specialized companies:

- **KERN (Switzerland):** for the design of the equipment used in the tunnel invert lining.
- **FORKAST+ (France):** for the construction of the tunnel vault formwork and lifting gantry.

The design and development of these tools required **nearly 12 months of intensive collaboration**, driven by **seven main objectives** focused on working conditions, safety and ergonomics: ease of assembly and disassembly, accessibility, circulation on the equipment, workstation ergonomics, tool handling, maintenance, and task automation.

- The **first tool**, designed for the tunnel invert, was delivered in **March 2025** and commissioned in **May**. It has already enabled the construction of **56 sections of 10 meters each**.
- The **second tool**, dedicated to the vault, was assembled at the tunnel entrance in **June** and put into service in **July**, with the **pouring of the first permanent concrete ring in August**.

All **concrete used on site** is produced by a **dual batching plant** dedicated to the project and installed directly on site.

These innovations demonstrate the project's commitment to combining **technical performance, safety and operational excellence** in the construction of this **strategic European infrastructure**

Key figures for the CO8 site:

- Contract value: €228 million
- 5,678 meters of tunnel to be excavated
- 11 connection galleries
- 100% traditional excavation method
- 1.3 km conveyor belt
- 350 workers mobilized

Under the management of TELT (Tunnel Euralpin Lyon–Turin), the unique cross-border section of the Lyon–Turin project is divided into 9 operational construction sites: 4 on the Italian side and 5 on the French side.

Operational Site 8 (CO8) corresponds to the entrance of the base tunnel on the French side and the first few kilometers between Saint-Julien-Montdenis and Saint-Martin-la-Porte.

As of September 1, 2025, the cross-border section had already achieved 44.2 km of excavated galleries, representing 27% of the total, with more than 3,000 people working across the sites.

About Implenla

Implenia is Switzerland's leading construction and real estate service provider, developing and building living spaces, work environments and infrastructures for future generations in Switzerland and Germany. In other markets, Implenla also provides tunneling and related infrastructure projects. Founded in 2006, Implenla builds on around 150 years of construction tradition. The company brings together under one roof the expertise of consulting, development, planning and execution units, making it a leading integrated multinational service provider in the construction and real estate sectors. Thanks to its broad range of activities and the expertise of its specialists, the Group delivers large-scale, complex projects and supports its clients throughout the entire life cycle of their assets. In doing so, Implenla focuses on client needs and on maintaining a sustainable balance between economic success and social and environmental responsibility. Headquartered in Opfikon, near Zurich, Implenla employs over 7,700 people across Europe and generated CHF 3.8 billion in revenue in 2021. The company is listed on the SIX Swiss Exchange (IMPN, CH0023868554).

More information at [implenia.com](https://www.implenia.com).

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About NGE

NGE – Nouvelles Générations d'Entrepreneurs – is France's fourth-largest construction group, building major infrastructure and urban or local development projects. With expertise in financing, design, construction and maintenance, the Group is a key player in delivering projects adapted to the economic and environmental challenges of today's territories. Its entrepreneurial drive is supported by a solid employee shareholding structure (founders, management and employees hold 72% of the company's capital) and strengthened by the French investment fund Montefiore (28%). With a turnover of €4.6 billion, NGE operates in 20 countries and supports public and private clients in financing, designing and delivering their transition projects in the fields of water, mobility, urban regeneration, energy and telecommunications. NGE's 24,000 employees are proud to contribute to the construction of projects that change the world.

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About Itinera

Itinera is one of the most important Italian construction companies and, according to the specialized magazine ENR, ranks 79th worldwide. The company carries out large-scale infrastructure, civil and industrial construction projects, operating in approximately 15 countries. In the United States, Itinera operates through its subsidiary Halmar International. In 2021, Itinera reported consolidated revenues of €1.2 billion and a year-end order backlog of €4.1 billion. The company is controlled by ASTM, the second-largest motorway infrastructure operator in the world, managing a network of about 4,900 km, including over 1,400 km in Italy. ASTM also manages approximately 3,370 km in Brazil through EcoRodovias and 84 km in the United Kingdom through its participation in Road Link.

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